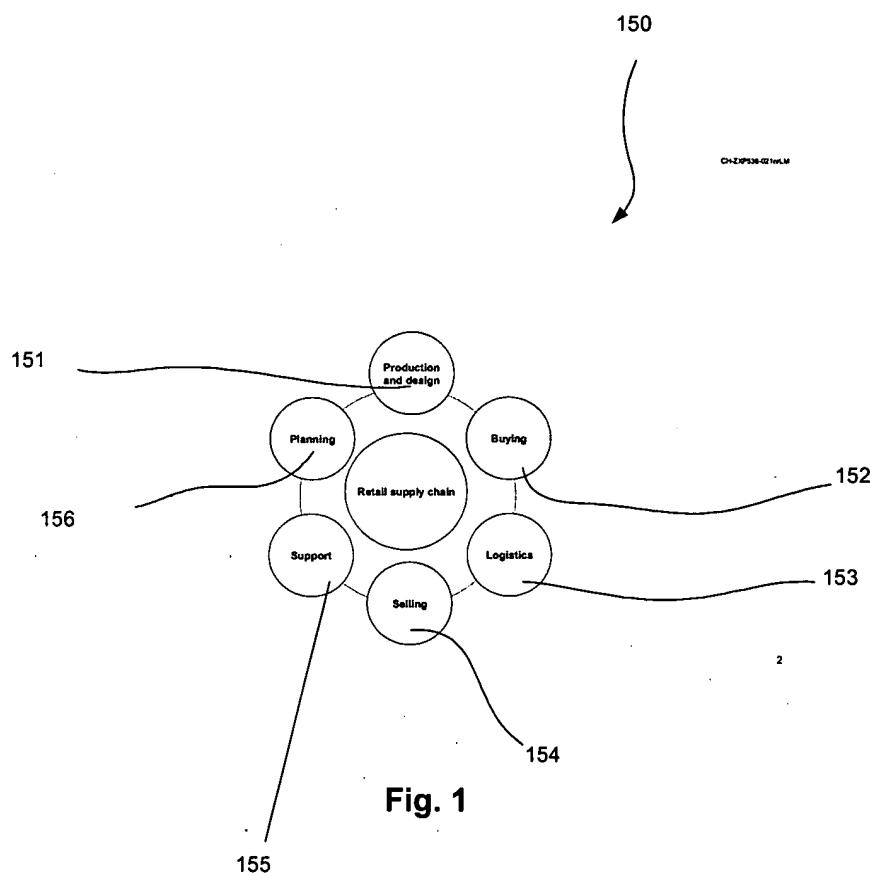
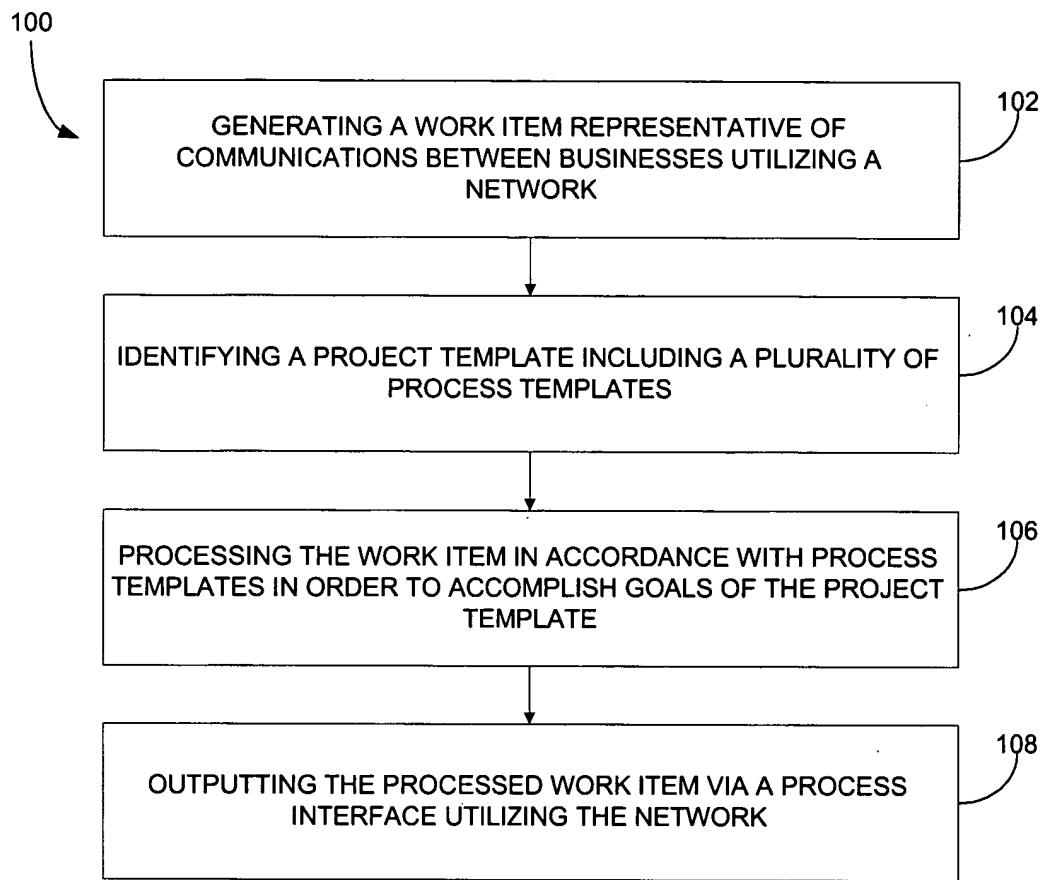


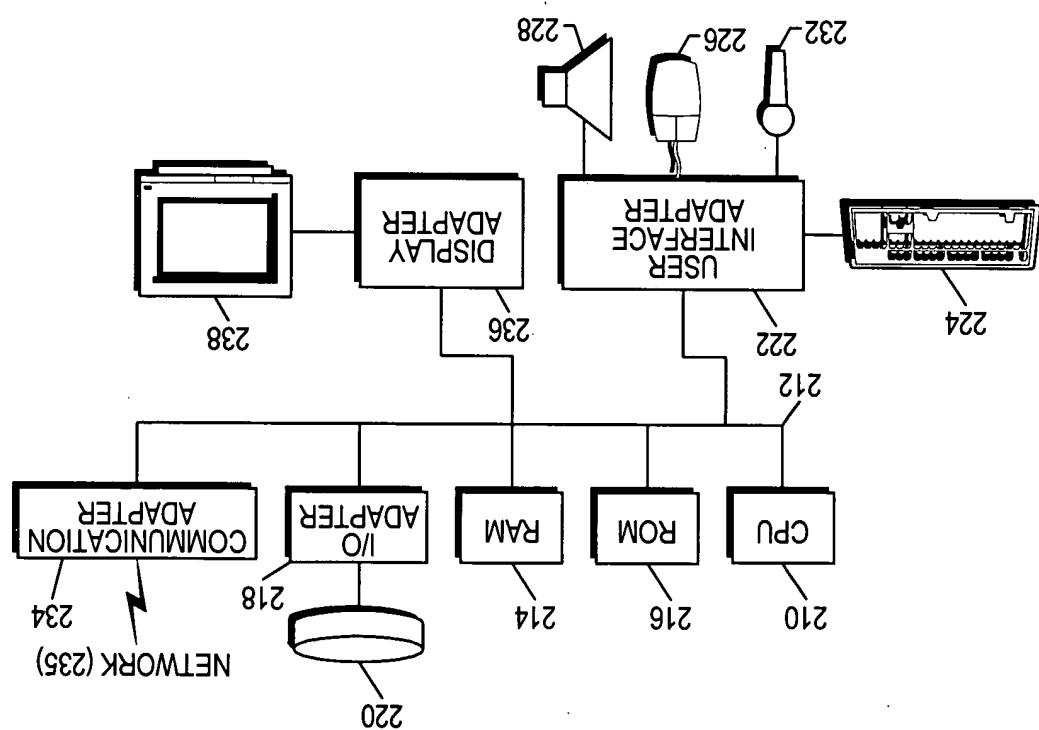
09/14/94 87

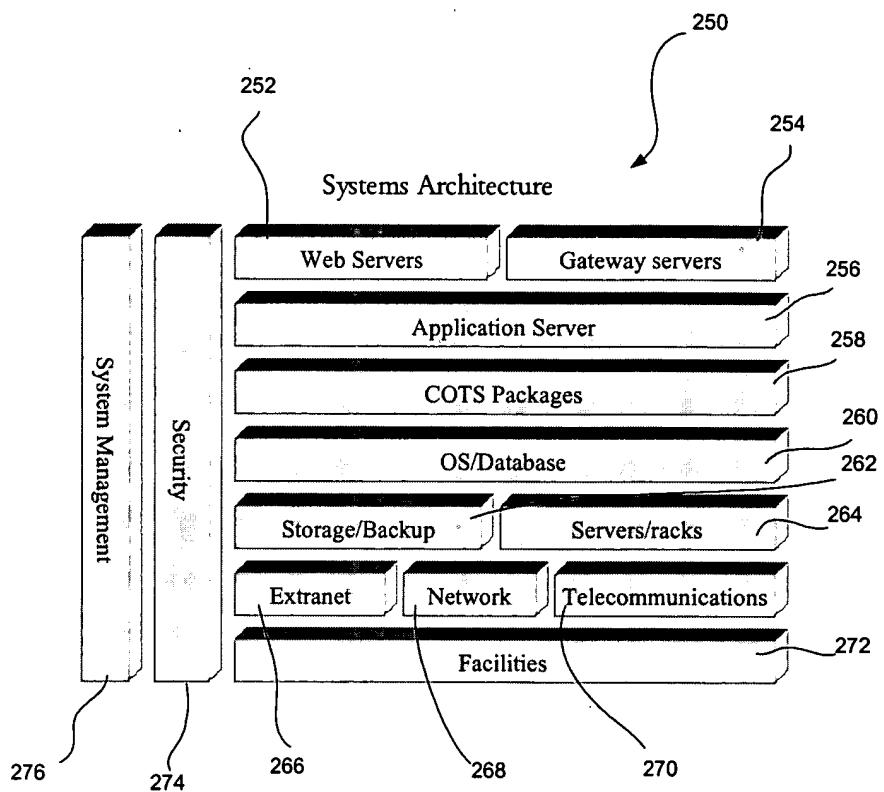




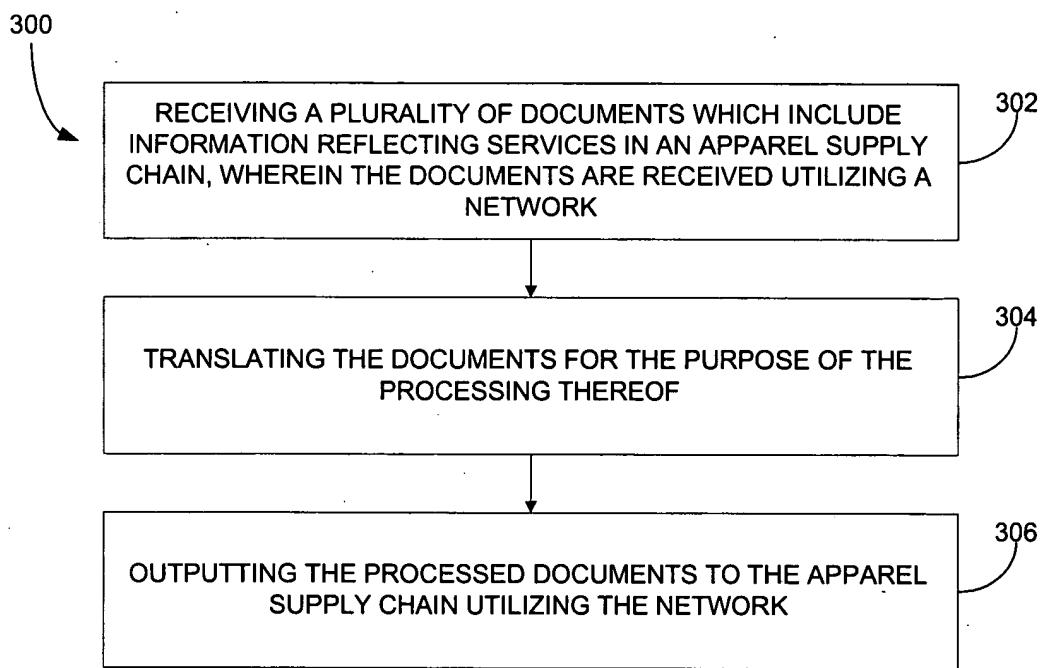
**Fig. 1a**

Fig. 2

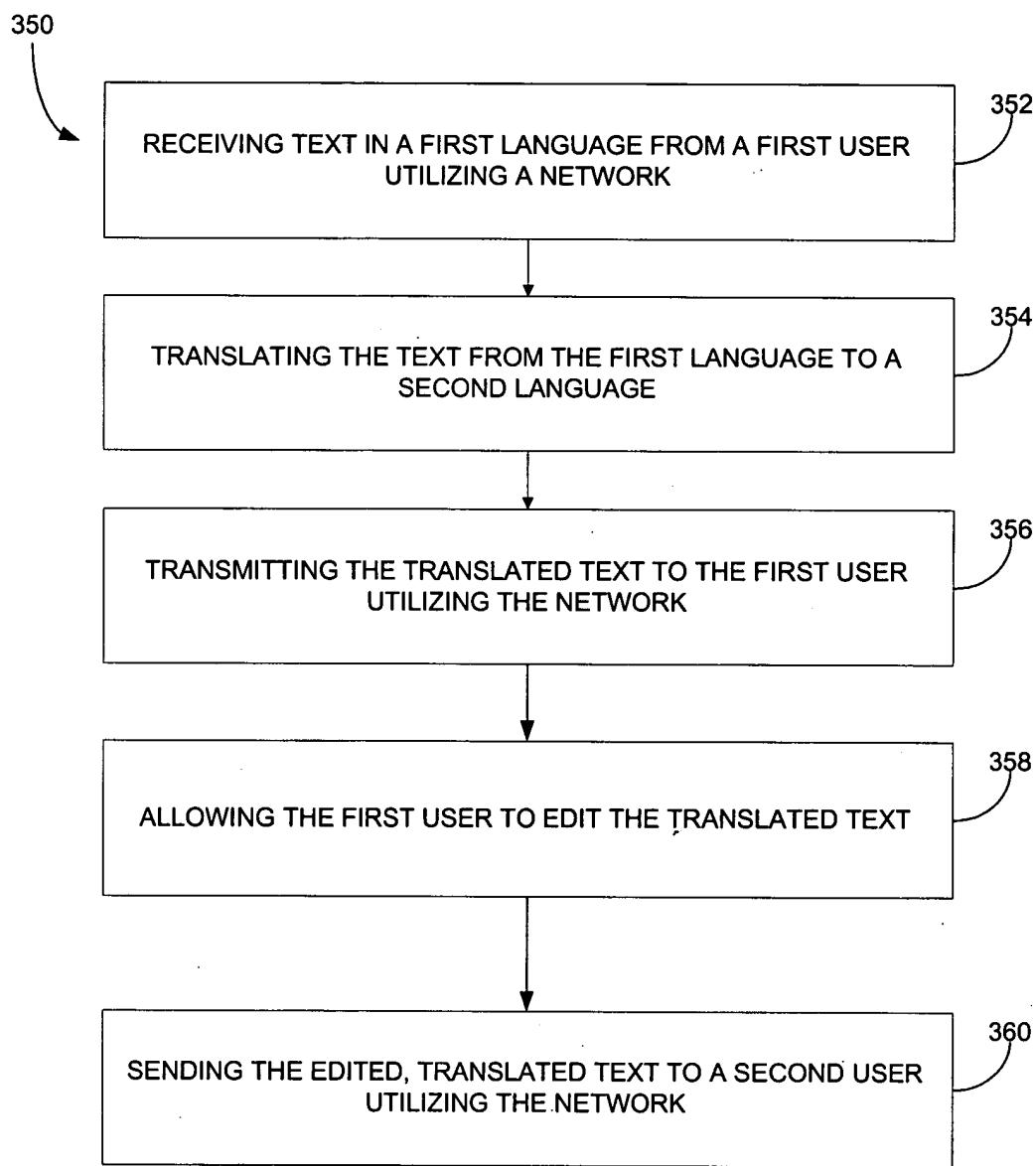




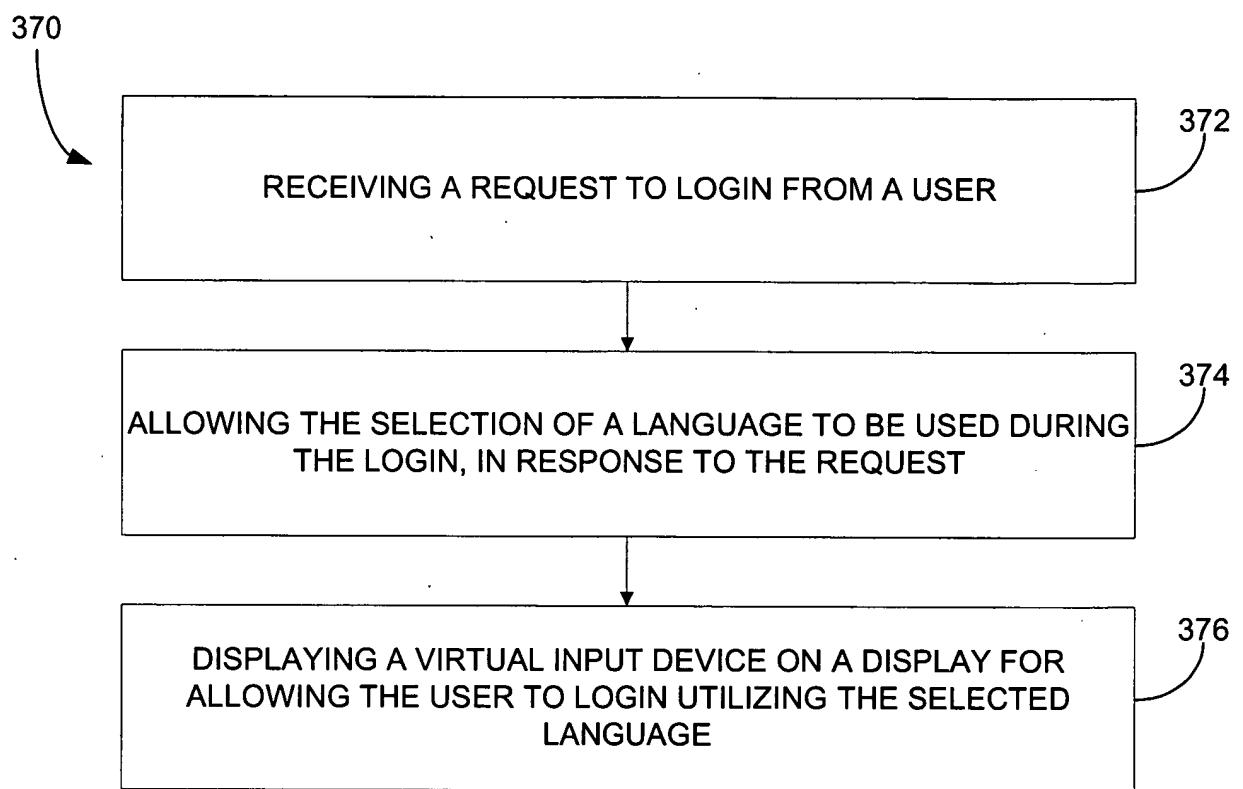
**Fig. 2b**



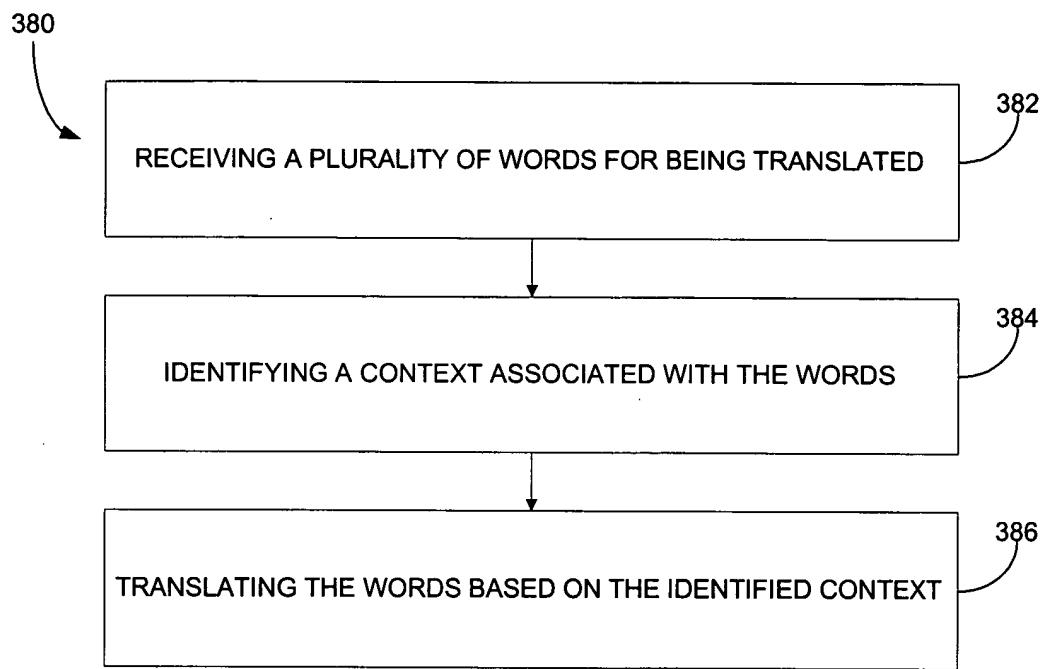
**Fig. 3**



**Fig. 3a**



**Fig. 3b**



**Fig. 3c**

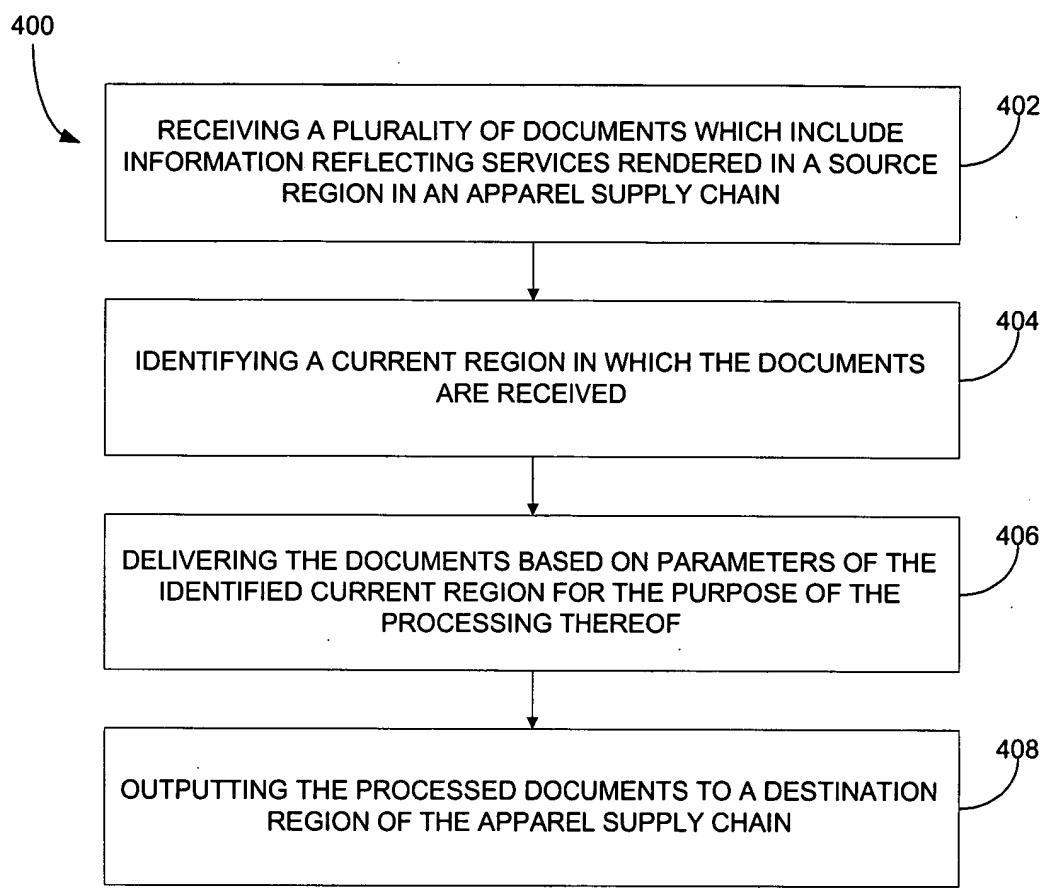


Fig. 4

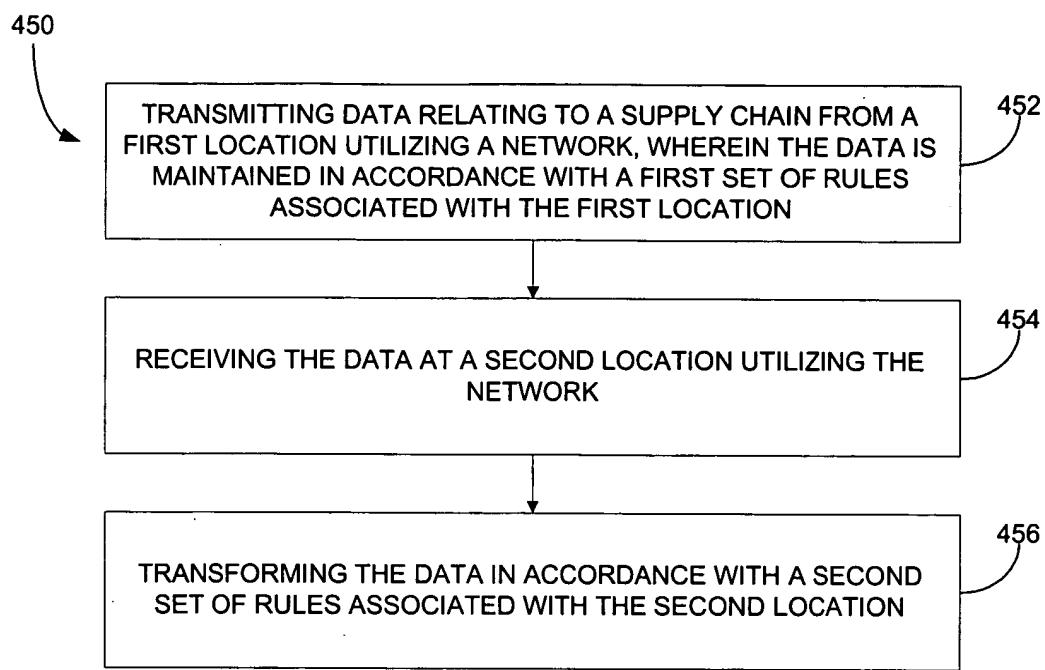
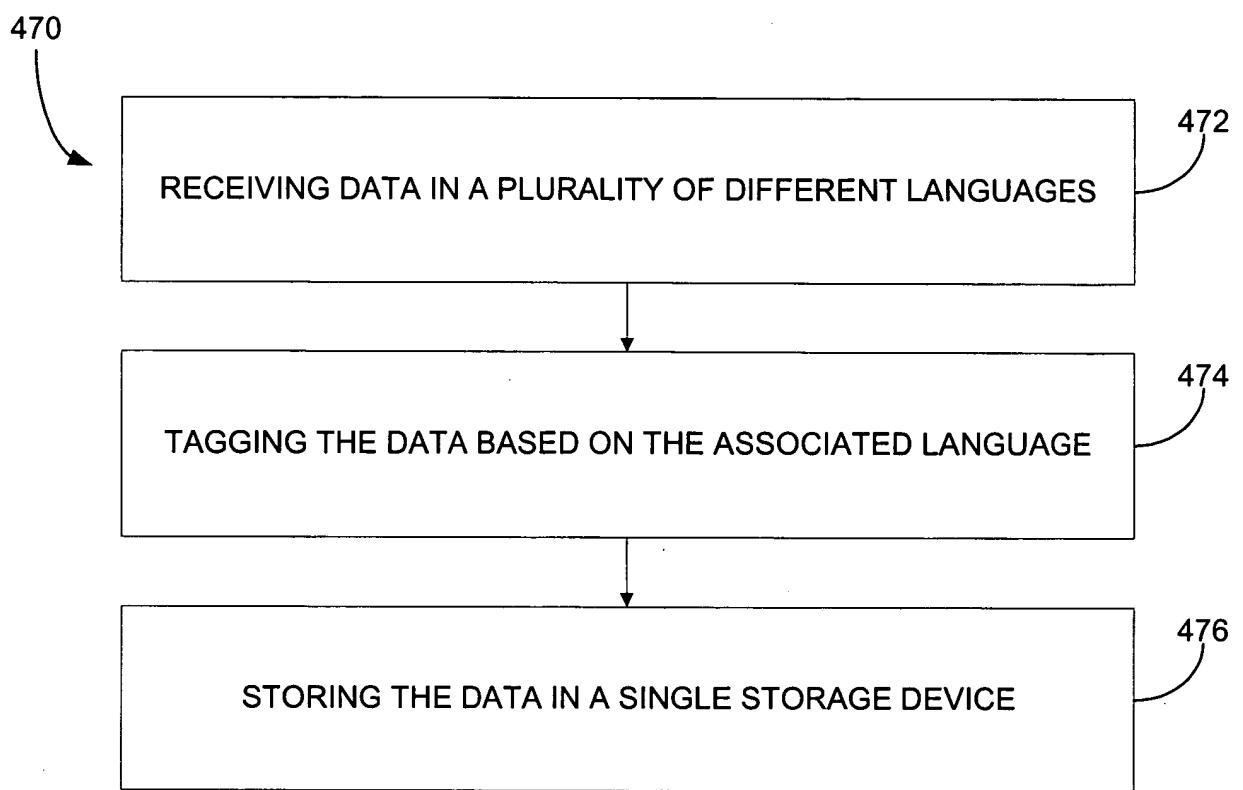
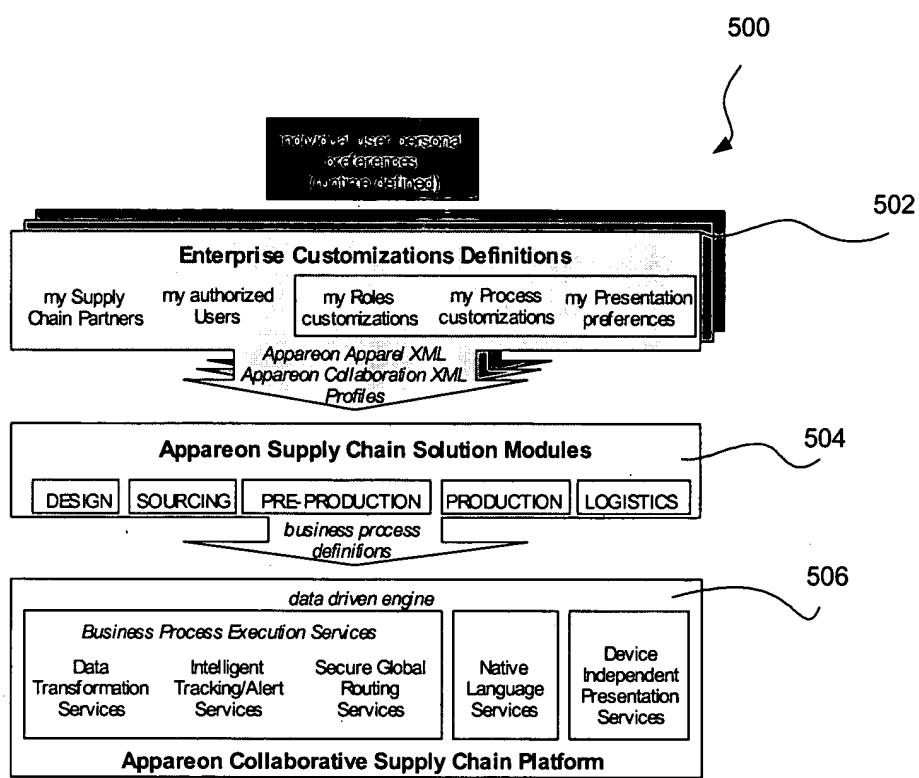


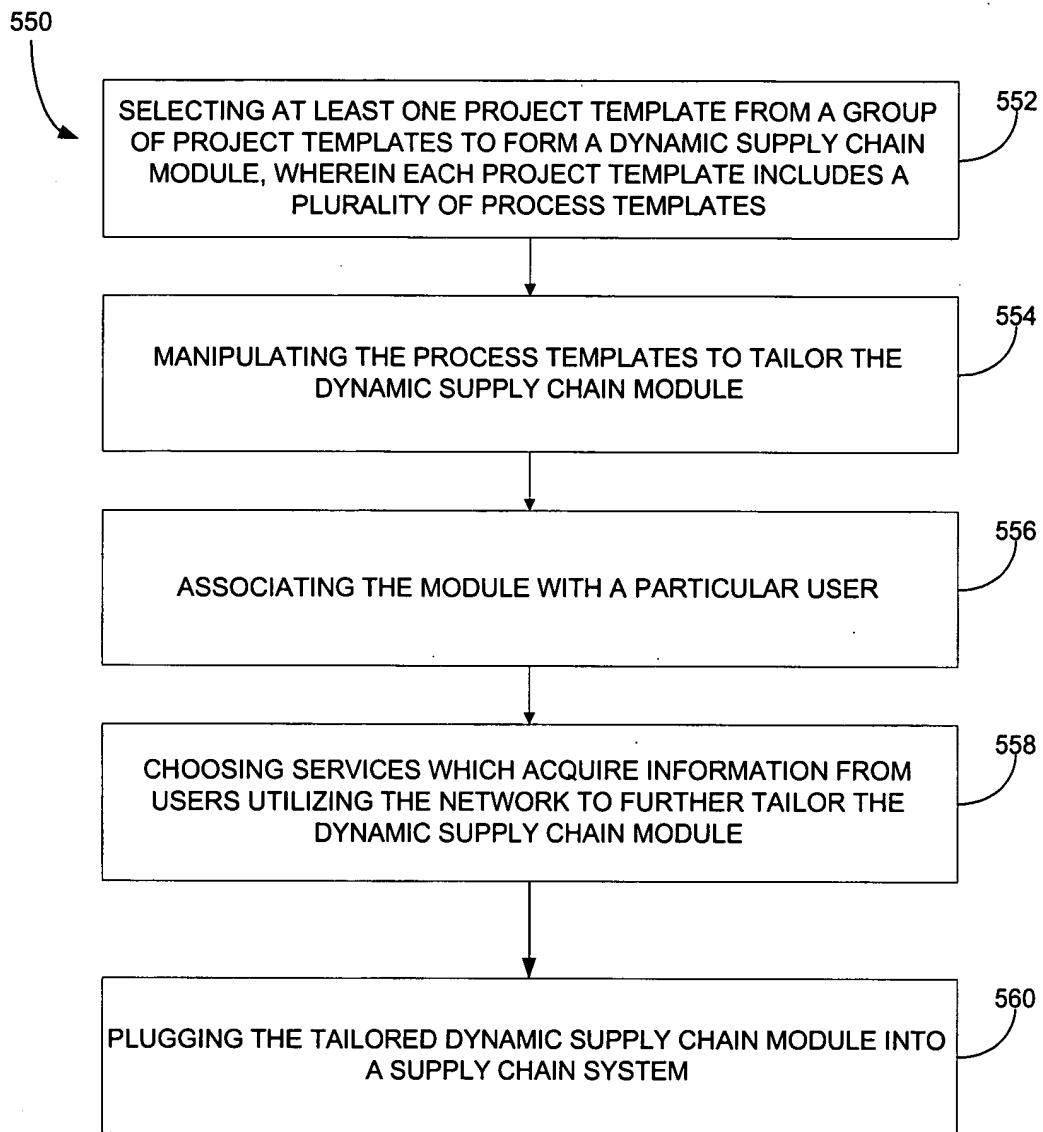
Fig. 4a



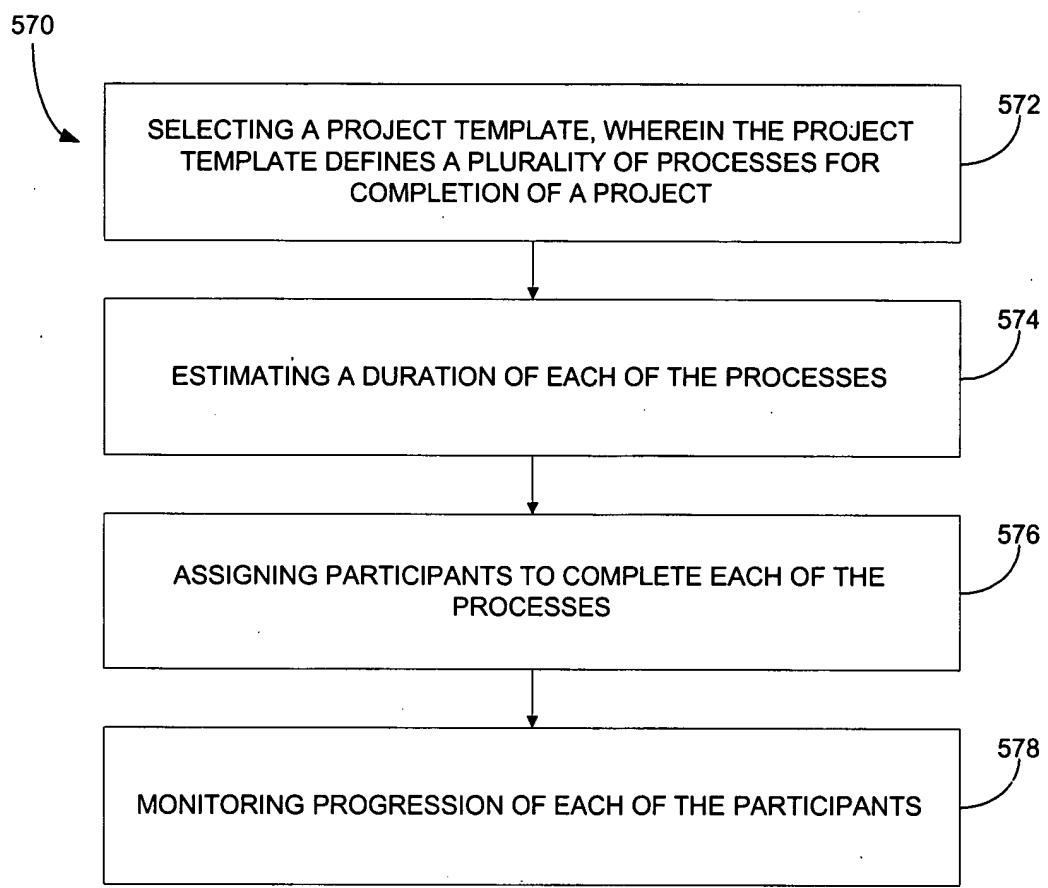
**Fig. 4b**



**Fig. 5a**



**Fig. 5b**



**Fig. 5c**

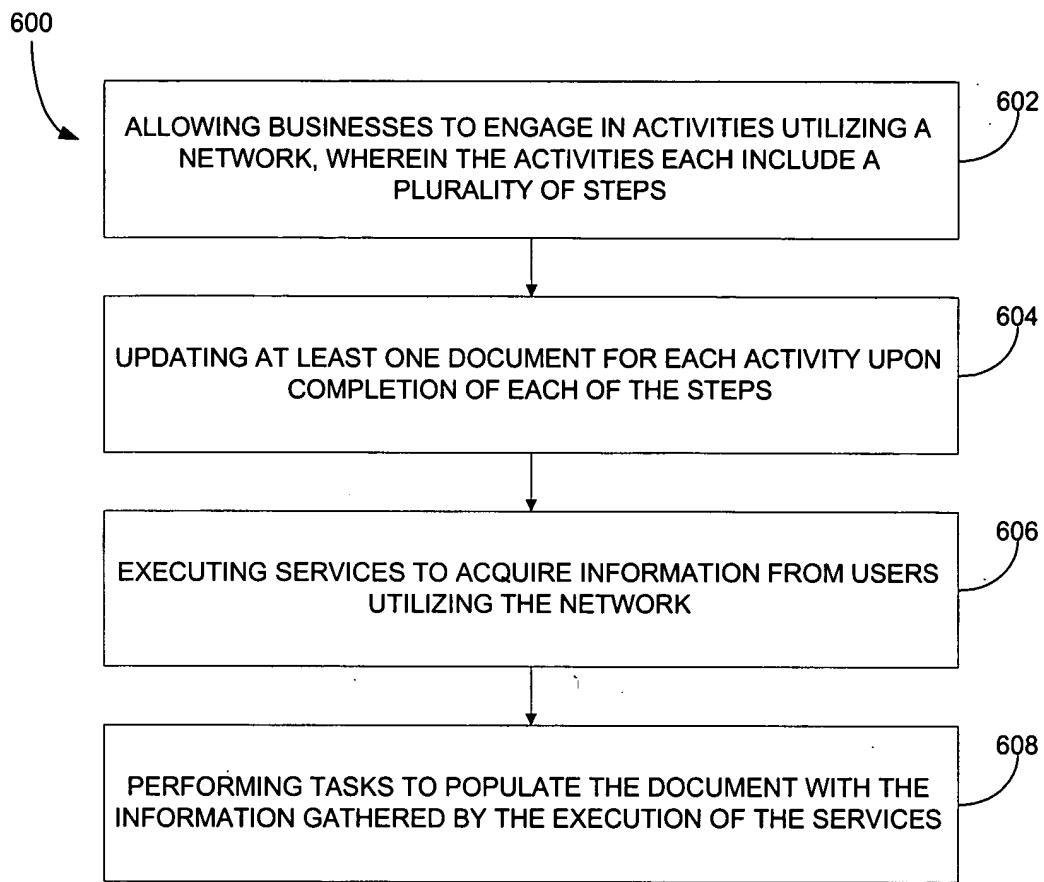
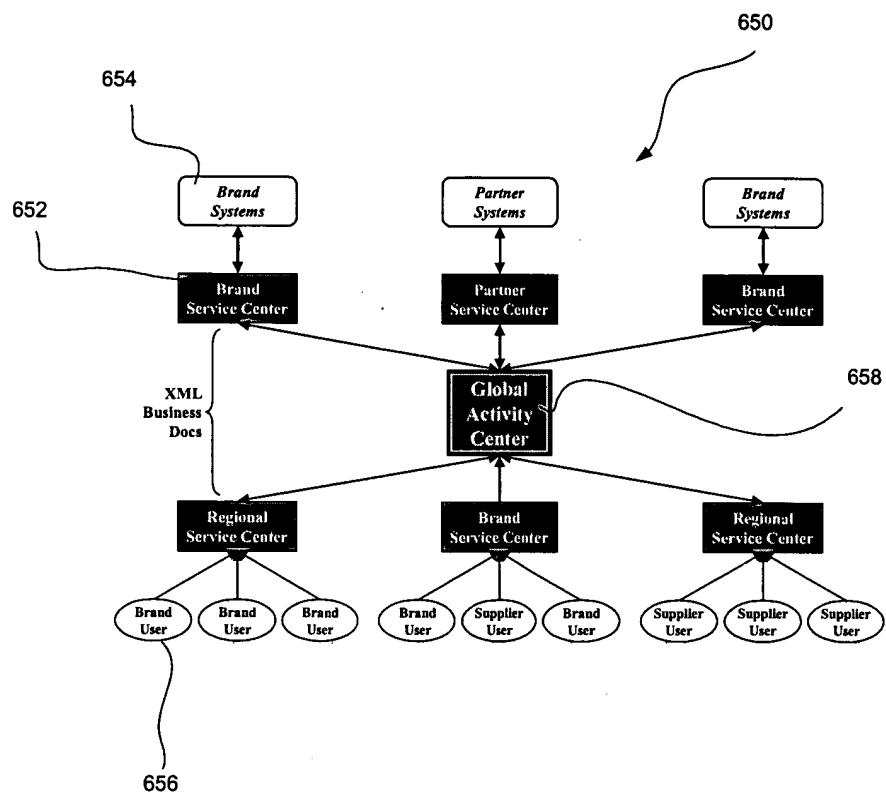


Fig. 6a



**Fig. 6b**

700

| Abstraction Level | Action  | Output            | Type of State  | Example           |
|-------------------|---------|-------------------|----------------|-------------------|
| Activity          | Conduct | Economic Exchange | Business       | Source Production |
| Service           | Utilize | Business Document | Transactional  | Respond to RFQ    |
| Task              | Execute | User Input        | Conversational | Select Material   |

Fig. 7

800

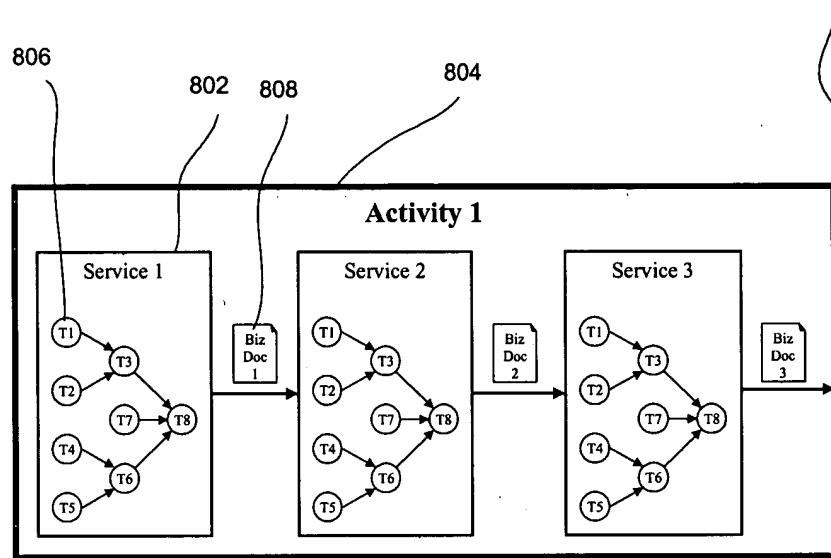
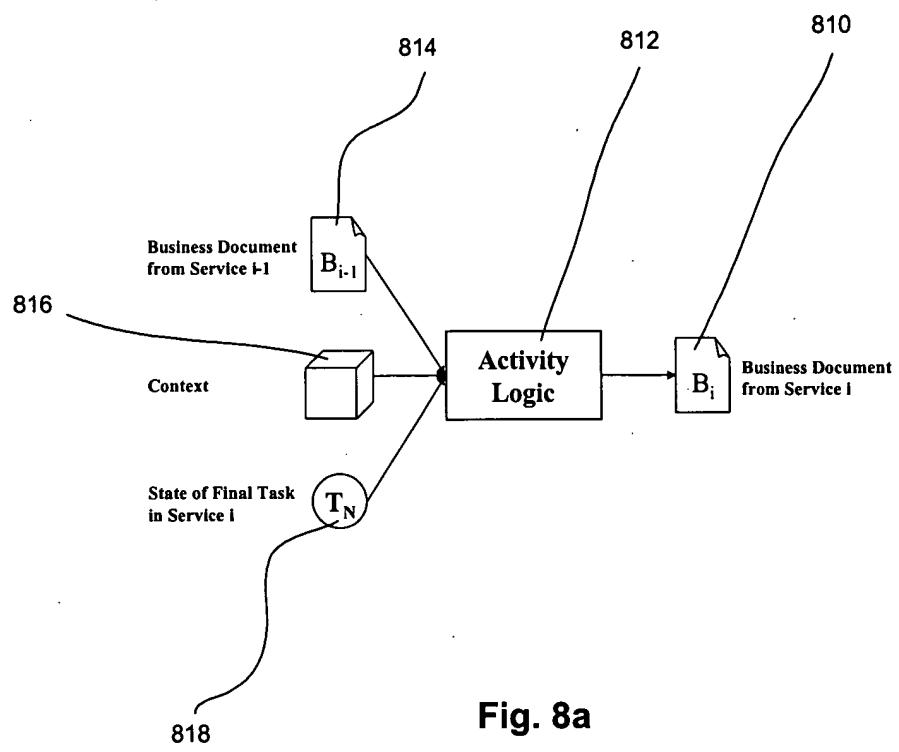


Fig. 8

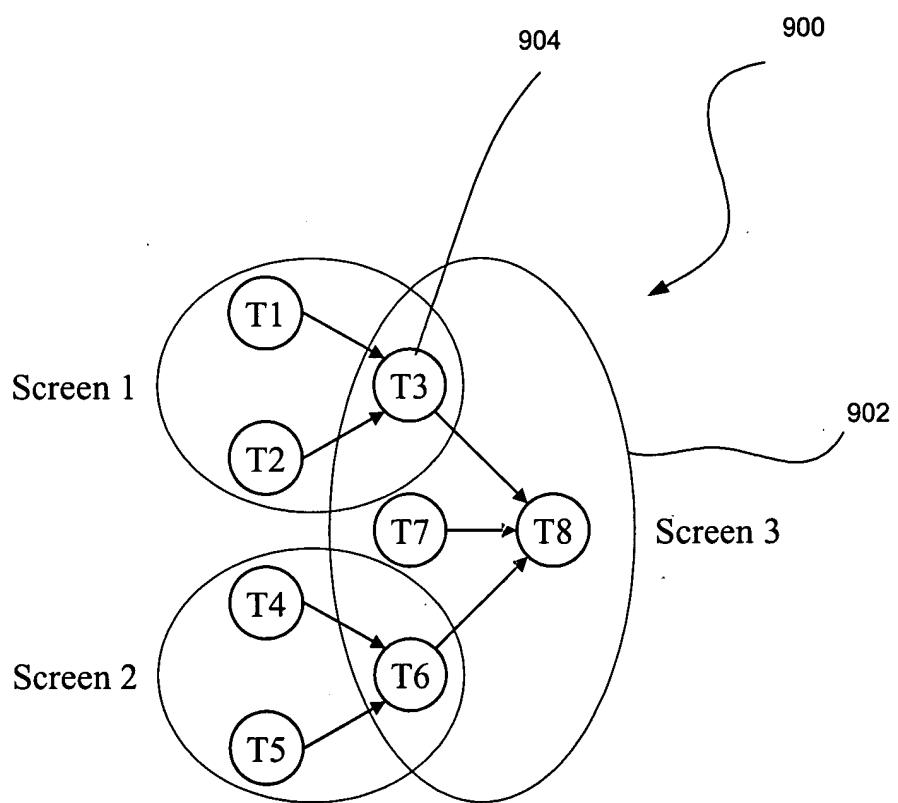


**Fig. 8a**

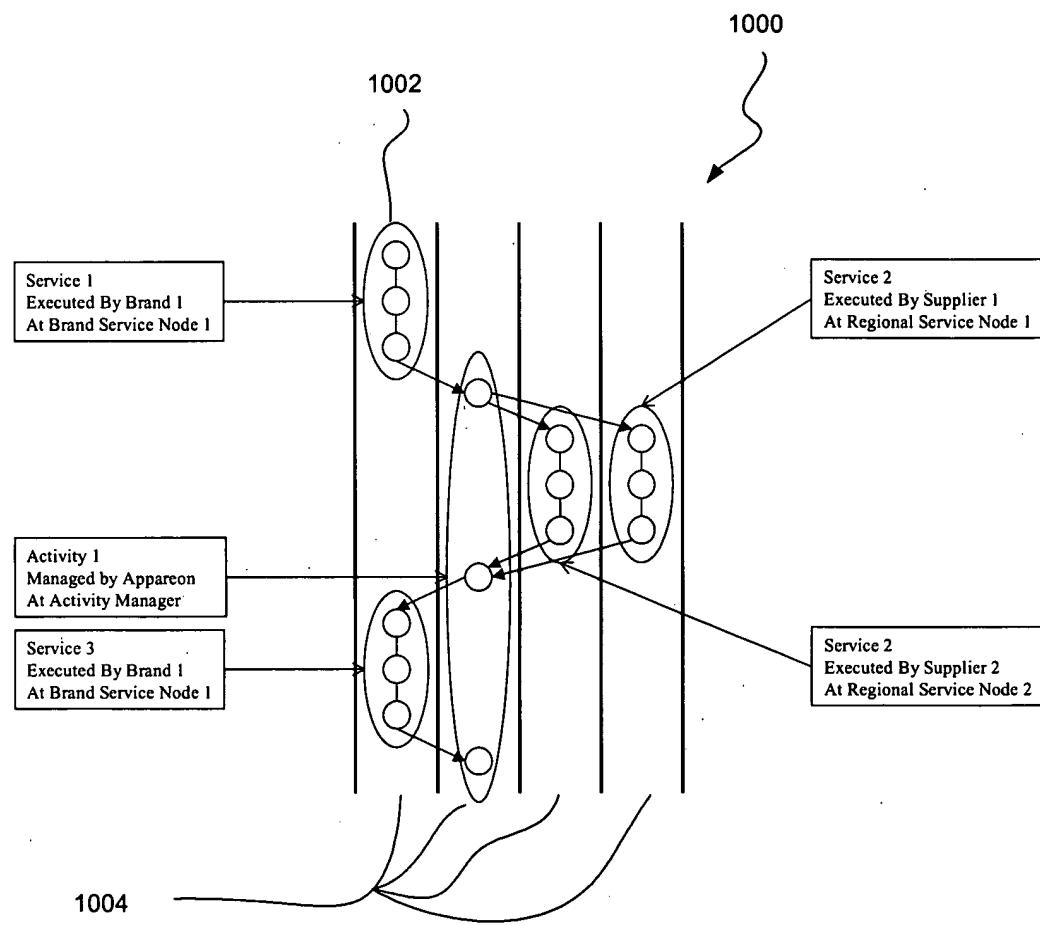


| Document Category         | Purpose   | Working Store                       | Examples                             |
|---------------------------|---|-------------------------------------|--------------------------------------|
| <i>Collaboration Docs</i> | Represent the exchange of business information among trading partners               | DB of Record<br>Master Doc Store    | Quote<br>Purchase Order              |
| <i>Service Docs</i>       | Represent the contribution of a trading partner to a collaboration                  | Local Doc Store                     | Service State Structure              |
| <i>Presentation Docs</i>  | Represent the layout of a user interface  | Local Doc Store                     | HTML Template<br>Widget Transform    |
| <i>Control Docs</i>       | Control the execution of the Collaboration, Conversation, and Presentation Managers | Local Doc Store<br>Master Doc Store | Routing Rules<br>Service Definition  |
| <i>System Docs</i>        | Maintain consistent state across all distributed system nodes                       | DB of Record<br>Master Doc Store    | Update Data Order<br>Get Doc Request |

Fig. 8b



**Fig. 9**



**Fig. 10**

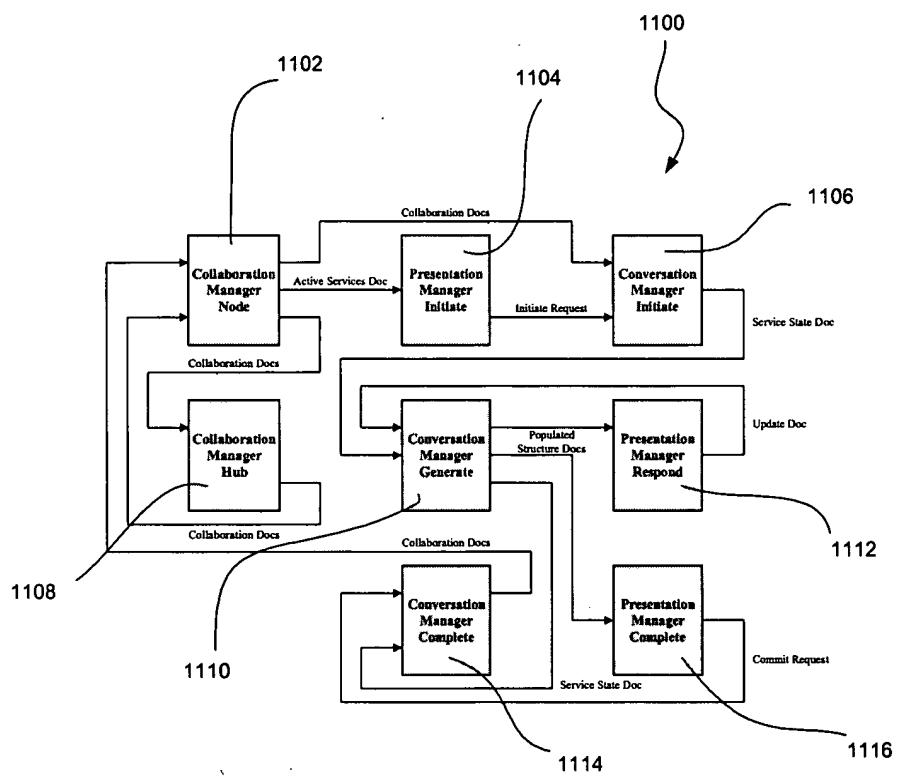


Fig. 11

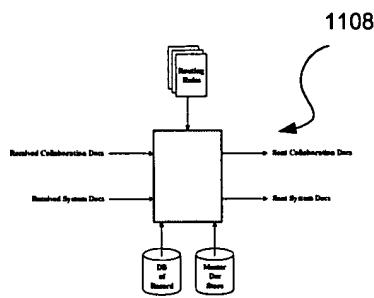


Fig. 12

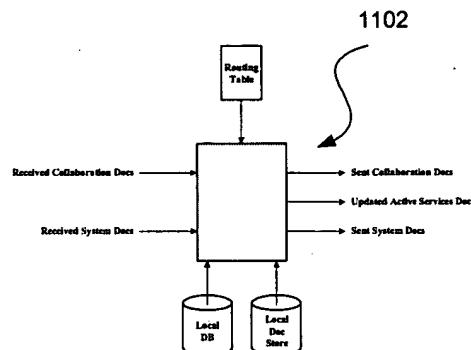


Fig. 13

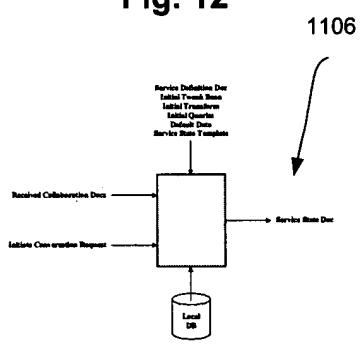


Fig. 14

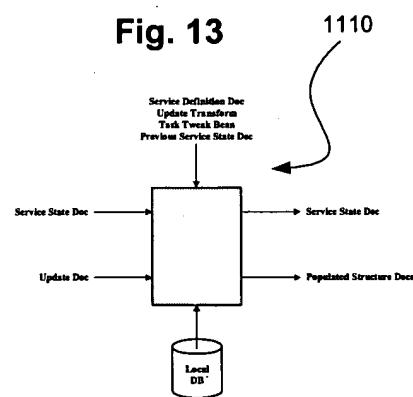


Fig. 15

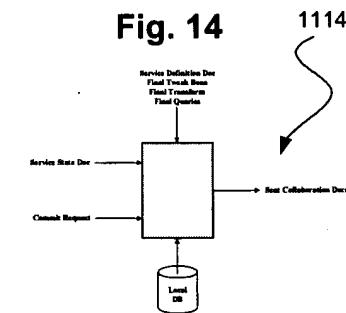


Fig. 16

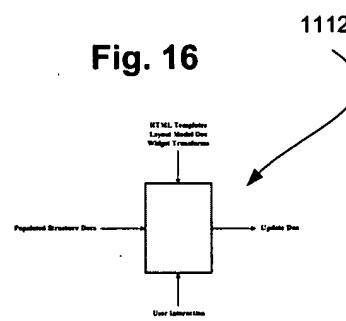


Fig. 18

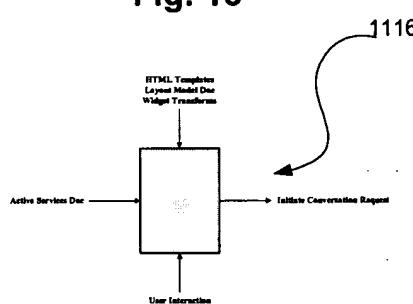


Fig. 17

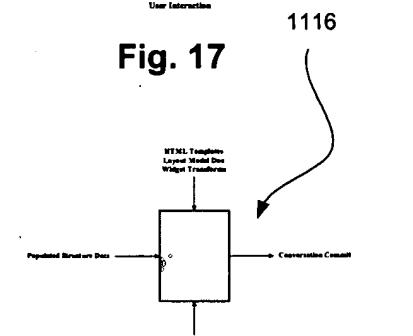
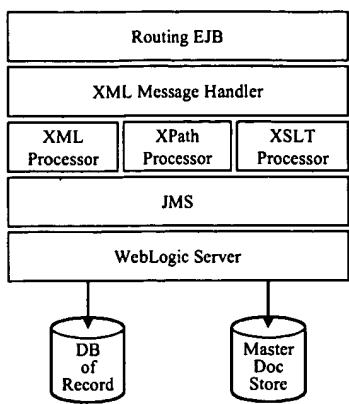
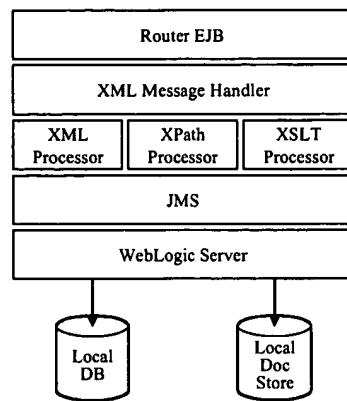


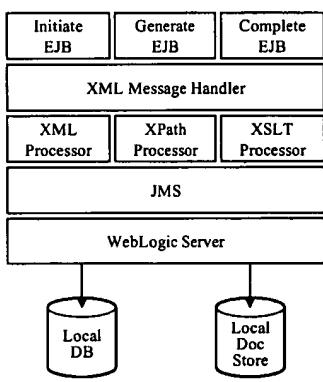
Fig. 19



**Fig. 20**

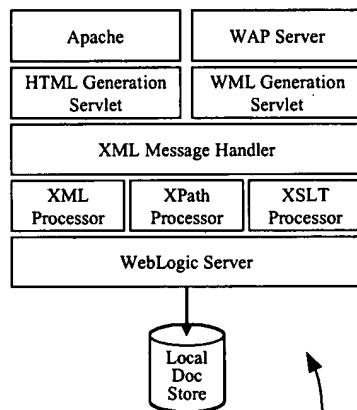


**Fig. 21**



**Fig. 22**

1106, 1114



**Fig. 23**

1104, 1116